



E96-1  
MAY

Customer Copy

# Repair Order Invoice

**Invoice To:**  
 HILMAN, BUTCH  
 ZERO POINT CONTRACTING LTD  
 2230 SPRUCE STREET  
 PRINCE GEORGE AB  
 Canada  
 Tel: (403) 872-4432

**True North Truck and Diesel Repair Ltd.**  
 6333 - 76 Ave  
 Edmonton, AB T6B 0A7  
 Tel: 780-463-3939  
 Fax: 780-463-5014  
 Canada  
 ACCOUNTS@TRUENORTHDIESEL.COM  
 Tax Number: 841458938

Invoice Date	Invoice	A/C	Customer PO	Payment Term	Customer Tax #
May 17, 2024	WI004293	1038587		COD	

RO WO004982      Owner ZERO POINT CONTRACTING LTD      Repair Loc. True North Truck and      Repair Apr 22, 2024

Unit 2389102 388	VIN 1XPWD49X4AD113190	License	Last Cert. ()
Make PETERBILT	Model 388	Year 2010	Engine 79387867
ENGINEHOU 27989 HR	ODOMETER 1184629 KM		

Activity Description	Part Description	Quantity	Charge	Total
1. ENGINE OVERHAUL				7,975.00
<p>TROUBLESHOT UNIT – FOUND HIGH CRANKCASE PRESSURE AT 30INHG, CHECKED TURBO AND AIR COMP – PASSED. DRAINED COOLANT, DRAINED THE COOLANT, PUT THE A/C GAS MACHINE FOUND THERE WAS NO GAS IN THAT TRUCK. REMOVED CYLINDER HEAD – FOUND LINERS SCORED SEVERELY, #5 BEING THE WORST. CYLINDER NUMBER THREE AND FOUR HAVE BROKEN PISTON RINGS ALSO CYLINDER NUMBER 1, 5 AND 6 HAS HAVE SEVERE WEAR ON LINERS. REMOVED ENGINE WITH TRANSMISSION FROM CHASSIS. REMOVE MAIN BEARING NUMBER 2 TO 6, CLEANED AND POLISHED THE CRANKSHAFT REINSTALL MAIN BEARINGS 2 TO 6 AND TORQUED TO THEIR SPECIFICATION. REMOVE MAIN BEARING NUMBER 1 AND 7 CLEANED AND POLISHED CRANKSHAFT AND REINSTALLED AND TORQUED TO SPECIFICATION CHECK CRANKSHAFT ENDPLAY WAS 0.009 SPEC( 0.004 TO 0.020). INSTALL 6 CYLINDER LINERS DO PROTRUSION IN SPECS ( 0.010 TO 0.011). ASSEMBLE PISTON AND CONNECTING ROD PINS. INSTALL PISTONS AND TORQUED TO THEIR SPECIFICATION. CHECKED END PLAY, WITHIN SPEC.</p> <p>LUBRICATED CAM BUSHINGS AND INSTALLED INJECTOR AND VALVE CAMSHAFTS. INSTALLED CAM THRUST PLATES, ADJUSTABLE IDLER GEAR, AND BOTH CAMSHAFT GEARS USING AN UPDATED INJECTOR CAM GEAR RETAINER. SET ENGINE BASE TIMING PER SPECIFICATION. LUBRICATED GEAR TRAIN AND INSTALLED UPPER GEAR COVER WITH A NEW STRIP SEAL. REPLACED O-RINGS ON 6 INJECTORS AND INSTALLED INJECTORS INTO CYLINDER HEAD. DISASSEMBLED, CLEANED, AND INSPECTED ROCKER ASSEMBLIES, ASSEMBLED, AND INSTALLED INTO CYLINDER HEAD. INSTALLED INJECTOR ROCKER ASSEMBLIES AND TORQUED ALL FASTENERS PER SPECIFICATION. SET JAKE BRAKE RUNNING CLEARANCE TO 0.065" AND SET VALVE LASHES AND INJECTOR PRELOAD TO NOMINAL SPECIFICATION. INSTALLED ENGINE OIL PUMP AND FOUND IDLER GEAR BACKLASH WAS AT MINIMUM END OF SPECIFICATION AT 0.008" - RE SHIMMED OIL PUMP AND CHECKED BACKLASH NOW AT 0.012". INSTALLED ALL HANGING COMPONENTS ON ENGINE WITH NEW GASKETS OR HARDWARE AS SUPPLIED IN OVERHAUL KIT - ECM COOLING PLATE AND ECM, IFSM, INTAKE MANIFOLD, ENGINE LIFTING BRACKETS, EXHAUST MANIFOLD, TURBOCHARGER, COOLANT RETURN MANIFOLD, WATER PUMP, PLUMBING, ACCESSORY BRACKET, ENGINE OIL COOLER ETC. INSTALLED WIRING HARNESS. RIGGED ENGINE ON SPREADER BAR AND INSTALLED INTO CHASSIS OF TRUCK USING NEW FRONT AND REAR ENGINE MOUNTS AND HARDWARE. RECONNECTED BATTERY CABLES AND OEM WIRING HARNESS. RE-SEALED AND RECONNECTED POWER STEERING PUMP WITH A NEW SUCTION HOSE. RECONNECTED FUEL LINES. INSTALLED/CONNECTED REMAINDER OF EXTERNAL CHASSIS COMPONENTS - EXHAUST PIPE WITH TWO NEW EXHAUST CLAMPS AND NEW GASKETS, RECONNECT COOLANT LINES TO CYL. HEAD. RECONNECT DRIVELINE WITH 2 NEW SETS OF STRAP KITS AND NEW HARDWARE AT STEADY BEARING. RECONNECT TRANSMISSION WIRING, AIR LINES, AND SHIFT LEVER WITH NEW GASKET, REINSTALL CAB FLOOR PLATE, DISASSEMBLED RADIATOR ASSEMBLY TO WASH CHARGE AIR COOLER OF ACCUMULATED OIL, REASSEMBLED</p>				



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AND INSTALLED RADIATOR ASSEMBLY INTO CHASSIS AND CONNECTED COOLANT LINES,  
 ELECTRICAL ETC. REPLACED A SEGMENT OF WORN 2" COOLANT HOSE.... STORIES CONTIN

	CLAMP V-BAND	1.00 EA	94.1994	94.20
	HUMP HOSE 4X8	1.00 EA	41.0400	41.04
	HOOD RETAINING CLIP	1.00 EA	8.0700	8.07
	HOOD RETAINING CLIP	1.00 EA	3.4000	3.40
	FILTER-WATER	1.00 EA	40.3080	40.31
	SYN50 TRANSMISSION OIL	1.00 EA	13.3420	13.34
	FAB CVRD #8 HOSE PUSH ON	1.50 EA	11.4955	17.24
	CLAMP V-BAND 4"	1.00 EA	24.4270	24.43
	1" SILICONE HTR HOSE	1.00 EA	9.7860	9.79
	SENSOR, PRESSURE- EX GAS	1.00 EA	256.1855	256.19
	2.62" - 2.94" T-BOLT SPR CLAMP	4.00 EA	19.5520	78.21
	2 1/2" ID HI MILER RAD HOS	0.80 EA	19.8200	15.86
	15W40 BULK ENGINE OIL - MOBIL SUPER 1300 - LOW ASH	50.00 EA	3.5000	175.00
	SPIRAXS 3 MD3	2.00 EA	8.0780	16.16
	TIE WRAP 120LB 14.5"	35.00 EA	0.7500	26.25
	TIE WRAP- 50LB- 14.8"	40.00 EA	0.2500	10.00
	EXH GASKET 4"	1.00 EA	0.0000	0.00
	GASKET-CIRCULAR 5"	1.00 EA	16.6660	16.67
	GASKET-HYD/POWER STEERING PUMP	1.00 EA	6.8170	6.82
	FILTER-WATER	1.00 EA	31.1760	31.18
	COOLANT EX LIFE RED	15.00 EA	12.4900	187.35
	NUT-HEX LOCKING TURBO	4.00 EA	13.0520	52.21
	SEAL, ORING	3.00 EA	8.6400	25.92
	FILTER-FUEL	1.00 EA	19.4740	19.47
	FILTER LUBE NANO NET	1.00 EA	41.7480	41.75
	O-RING	1.00 EA	6.9190	6.92



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SEAL-O-RING	1.00 EA	11.1860	11.19		
SENSOR-PRS TEMP- INTAKE MANIFOLD 5698456	1.00 EA	145.7395	145.74		
FILTER-FUEL	1.00 EA	21.8270	21.83		
1"- 1-1/2"OD EXT TANG CLAMP	3.00 EA	2.7600	8.28		
GSKT, HEATER	1.00 EA	21.9570	21.96		
SEAL-T-STAT	1.00 EA	25.8440	25.84		
NOZZLE-PISTON COOLING	6.00 EA	48.3000	289.80		
RETAINER-GEAR	1.00 EA	94.0224	94.02		
SENSOR,PRESSURE- OIL	1.00 EA	153.7320	153.73		
COVER, GEAR	1.00 EA	141.7490	141.75		
THERMOSTAT KIT	1.00 EA	118.2430	118.24		
SEAL-OIL, FRONT GEAR	1.00 EA	168.3600	168.36		
BOTTOM- GEAR COVER SEAL	1.00 EA	47.5080	47.51		
GASKET-CONNECTIN INLET	1.00 EA	40.7400	40.74		
GASKET-OIL COOLER	1.00 EA	154.3990	154.40		
Activity Sub-Total:				10,636.17	



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Activity Description	Part Description	Quantity	Charge	Total	
2. REAR HOUSING					3,770.00
<i>REAR STRUCTURE LEAKS - RE SEAL. REMOVED STARTER MOTOR AND FLYWHEEL. REMOVED REAR STRUCTURE. CLEANED SEALING FACE ON ENGINE BLOCK. WASHED FLYWHEEL HOUSING TO PREP FOR WORK. FOUND REAR STRUCTURE SEALING FACE IS UNEVEN AT MAIN OIL RIFLE - RESURFACED REAR STRUCTURE TO RESTORE FLATNESS. FOUND SEVERAL TRANSMISSION MOUNTING HOLES ARE COMPLETELY STRIPPED AND MOST OTHERS ARE DAMAGED - INSTALLED HELICOILS ON ALL 12 TRANSMISSION MOUNTING BOLT HOLES. ALSO INSTALLED A HELICOIL IN ONE OF THE STARTER MOUNTING HOLES. INSTALLED FLYWHEEL HOUSING WITH A NEW GASKET AND MEASURED INTERNAL BORE RUNOUT AND FACE RUNOUT - FOUND BOTH TO BE WITHIN SPEC. TORQUED FLYWHEEL HOUSING MOUNTING BOLTS TO SPEC AND INSTALLED A NEW REAR MAIN CRANKSHAFT SEAL. SENT FLYWHEEL FOR RESURFACING AND INSTALLED FLYWHEEL WITH A NEW PILOT BEARING - TORQUED FASTENERS TO SPECIFICATION. MEASURED FLYWHEEL FACE RUNOUT IS IN SPEC, AND INSTALLED CLUTCH ONTO FLYWHEEL USING NEW BOLTS AND WASHERS. INSTALLED TRANSMISSION ONTO FLYWHEEL HOUSING USING NEW BOLTS AND WASHERS.</i>					
	7/16 -14 Thread Repair	12.00 EA	4.3599		52.32
	FLYWHEEL HSG GASKET - ISX	1.00 EA	144.5205		144.52
	REAR CRANK OIL SEAL	1.00 EA	170.2575		170.26
			Activity Sub-Total:		4,137.10
3. MACHINE BLOCK					870.00
<i>LINER COUNTERBORES ARE FATIGUED AND HAVE FRETTING PRESENT - MACHINED CYLINDER LINER COUNTERBORES 0.020" UNDER NOMINAL SPECIFICATION TO ACCEPT 0.020" SERVICE SHIMS</i>					
	.020 CYLINDER LINER SHIM - [.020 IN]	6.00 EA	92.7834		556.70
			Activity Sub-Total:		1,426.70
4. FRONT AND REAR ENGINE MOUNTS					145.00
<i>REPLACED FRONT AND REAR ENGINE MOUNTS WITH NEW BUSHINGS, SNUBBING PLATES, AND HARDWARE.</i>					
	PETERBILT 2004-2008	1.00 EA	493.2350		493.24
			Activity Sub-Total:		638.24



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5. GEARHOUSING, VIBRATION DAMPER, FRONT COVER, FRONT CRANK SEAL					1,160.00
<p>FOUND VIBRATION DAMPER WAS HEAVILY WORN WITH A VISIBLE BULGE ON BACKSIDE OF DAMPER. REMOVED CRANKSHAFT PULLEY AND VIBRATION DAMPER. AFTER REMOVING DAMPER FOUND FRONT CRANKSHAFT SEAL HAS LEAK - REMOVED FRONT CRANK SEAL TO REPLACE. INSTALLED A NEW LOWER GEAR COVER WITH NEW STRIP SEAL. INSTALLED A NEW FRONT CRANKSHAFT SEAL, AND PAINTED AND INSTALLED A NEW VIBRATION DAMPER. MEASURED DAMPER WOBBLE AND ECCENTRICITY - BOTH VALUES ARE WITHIN SPECIFICATION. THE NEXT DAY UPON PREPPING THE REST OF THE GEAR TRAIN FOR INSTALLATION NOTICED THAT THE LOWER IDLER SCISSOR GEAR WAS VISIBLY WEARING INTO ADJACENT BOLTS. REQUIRED TO REMOVE FRONT COVER, CRANK SEAL ETC TO INSPECT. INSPECTION REVEALED THAT A PREVIOUS REPAIR CENTRE HAD FORGOTTEN TO INSTALL THE THRUST WASHER BEHIND THE GEAR, ALLOWING THE GEAR TO WEAR INTO THE ALUMINUM GEAR HOUSING AND SEVERAL BOLTS AROUND THE GEAR. REMOVED ALL COMPONENTS NECESSARY TO REMOVE FRONT GEARHOUSING. REMOVED GEAR HOUSING AND CLEANED THE ENGINE BLOCK SEALING FACE. MADE REPAIRS TO A WEAR MARK ON THE LOWER LEFT PORTION OF THE BLOCK. SOURCED A GOOD USED GEARHOUSING AND CLEANED/CONDITIONED SEALING FACES FOR REASSEMBLY. INSTALLED GEARHOUSING USING A NEW GASKET AND AIR COMPRESSOR GASKET AND TORQUED ALL FASTENERS PER SPECIFICATION. REPLACED DAMAGED FASTENERS. REINSTALLED LOWER IDLER SCISSOR GEAR WITH A NEW THRUST WASHER AND TIMED THE AIR COMPRESSOR WITH THE CRANKSHAFT. REINSTALLED LOWER GEAR COVER WITH NEW SEAL, AND INSTALLED NEW CRANKSHAFT SEAL. TORQUED FASTENERS AND REINSTALLED FRONT ENGINE SUPPORT, VIBRATION DAMPER, AND CRANKSHAFT PULLEY.</p>					
	ISX DOHC GEAR HOUSING	1.00 EA	600.0000	600.00	
	BEARING-THRUST	1.00 EA	96.7836	96.78	
	GASKET ACC DRIVE SUPPO	1.00 EA	70.6466	70.65	
	GASKET- GEAR HOUSING FRT ISX	1.00 EA	156.9175	156.92	
	SEAL-OIL, FRONT GEAR	1.00 EA	168.3600	168.36	
	BOTTOM- GEAR COVER SEAL	1.00 EA	47.5080	47.51	
	DAMPER-VISCOUS VIBRATI	1.00 EA	1,310.988	1,310.99	
			Activity Sub-Total:		3,611.21



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6. INSPECT TRANSMISSION GEARSET					435.00
<p><i>CLEANED AROUND AND REMOVED TRANSMISSION SHIFT COVER TO INSPECT TRANSMISSION. DID NOT FIND ANY DAMAGED GEARS OR BROKEN GEAR TEETH. FOUND SHIFT CLUTCH FOR GEAR 3/4 HAS HAS REASONABLE WEAR. SHIFT CLUTCH FOR 1/2, AND LOW/REVERSE ARE IN GOOD CONDITION. REINSTALLED SHIFT RACK/COVER WITH NEW GASKET AND TORQUED FASTENERS TO SPECIFICATION. REPLACED OLD SINGLE PIECE CLUTCH BRAKE WITH NEW TWO PIECE CLUTCH BRAKE. REPLACED ALL AIR FITTINGS FOR HI/LO/SPLIT SELECTION ON TRANSMISSION WITH NEW, AND REINSTALLED SLAVE PISTON ASSEMBLY WITH A NEW GASKET.</i></p> <p><i>REINSTALLED SHIFT RACK/COVER WITH NEW GASKET AND TORQUED FASTENERS TO SPECIFICATION. REPLACED OLD SINGLE PIECE CLUTCH BRAKE WITH NEW TWO PIECE CLUTCH BRAKE. REPLACED ALL AIR FITTINGS FOR HI/LO/SPLIT SELECTION ON TRANSMISSION WITH NEW, AND REINSTALLED SLAVE PISTON ASSEMBLY WITH A NEW GASKET.</i></p>					
	CLUTCH BRAKE 2 PIECE	1.00 EA	62.3000		62.30
	KIT-BEARING RETAINER	2.00 EA	35.3600		70.72
	GASKET, SHIFT LEVER HOUSING	1.00 EA	10.9060		10.91
	GASKET, SHIFT BAR HOUSING	1.00 EA	8.2460		8.25
	MACHINE FLYWHEEL	1.00 EA	120.7500		120.75
	TRANS SHIFT COVER GASKET	1.00 EA	4.0000		4.00
	GASKET	1.00 EA	6.1540		6.15
	PL131525A	3.00 EA	17.7710		53.31
			Activity Sub-Total:		771.39



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7. CHECK PLUMBING IN FRAME RAILS - CX STATES COOLANT LEAK					317.55
<i>CX REQUESTS INSPECT COOLANT PLUMBING IN FRAME RAILS OF CHASSIS - DID NOT FIND AN OBVIOUS COOLANT LEAK, BUT DID FIND ONE SEGMENT OF DEGRADED COOLANT HOSE. REPLACED COOLANT LINE WITH NEW AND REPLACED SPRING CLAMPS WITH WORM DRIVE CLAMPS WHERE APPLICABLE. ALSO REPLACED BROKEN POWER STEERING FILL CAP. FOUND EXHAUST FLEX PIPE WAS PREVIOUSLY INSTALLED IN A MANNER THAT CAUSED IT TO RUB AGAINST A HARD COOLANT PIPE IN THE FRAME RAIL - WAS ABLE TO REPLACE A STRETCHED EXHAUST CLAMP AND ORIENT EXHAUST AWAY FROM THIS HARD LINE.</i>					
	1" SILICONE HTR HOSE	2.00 EA	9.7860	19.57	
	5/8"-13/16" OD EXT TANG CLAMP	1.00 EA	5.5620	5.56	
	7/8"-1-5/16" OD EXT TANG CLAMP	2.00 EA	2.7600	5.52	
	3/4"-1-1/16" OD EXT TANG CLAMP	2.00 EA	2.7600	5.52	
	CAP FILL VENT- POWER STEERING	1.00 EA	15.5870	15.59	
				Activity Sub-Total:	369.31
8. RECONDITION ENGINE WIRING HARNESS					255.20
<i>FOUND ENGINE WIRING HARNESS HAD SEGMENTS WHERE THE SPLIT LOOM WAS DEGRADED OR MISSING, AND TAPED JOINTS WERE FRAYED. ALSO FOUND ONE DAMAGED CONNECTOR. REPLACED SPLIT LOOM WHERE APPLICABLE, RE TAPED JOINTS, AND REPLACED CONNECTOR WITH NEW CONNECTOR AND PINS.</i>					
	SPLIT LOOM- 3/8"	1.00 EA	0.5920	0.59	
	SPLIT LOOM- 1/2"	1.00 EA	0.8812	0.88	
	TERMINAL, ELC CNR REPAIR	3.00 EA	4.0500	12.15	
				Activity Sub-Total:	268.82



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9. CHARGE AIR COOLER, CHARGE AIR PIPING FILLED WITH OIL - WASH					290.00
<i>CHARGE AIR COOLER AND CHARGE AIR PIPING ARE LINED WITH BLACK OIL. DISASSEMBLED CAC FROM RAD ASSEMBLY AND WASHED WITH SOAP AND HOT WATER. WASHED CHARGE AIR PIPING, TWO HUMP HOSES WOULD NOT COME FREE OF OIL - REPLACED. PRESSURE TESTED CAC - PASSED</i>					
SEAL O-RING	1.00 EA	14.3130			14.31
HUMP HOSE 4X8	1.00 EA	48.0400			48.04
HUMP HOSE 4X6	1.00 EA	44.4160			44.42
		Activity Sub-Total:			396.77
10 ENGINE OVERHAUL STORY CONTINUED					0.00
<i>.... ON LOWER RADIATOR RETURN PIPE AND ALSO REPLACED ALL LOWER RAD PIPE CLAMPS WITH T-BOLT CLAMPS FOR RELIABILITY. INSTALLED FAN HUB, FAN BLADE, AND FAN SHROUD - DID FIND THAT ALL STUD HOLES IN FAN HUB FOR FAN BLADE MOUNTING WERE STRIPPED AND HAD REGULAR BOLTS INSTALLED INSTEAD OF NUTS- HAD TO HELICOIL ALL 6 HOLES AND INSTALL STUDS. WASHED CHARGE AIR PIPING FROM OIL AND REINSTALLED WITH NEW O-RINGS AS SUPPLIED. PASSENGER SIDE CHARGE AIR PIPE REQUIRED NEW HUMP HOSES AS OLD HOSES DEGRADED FROM OIL CONTAMINATION. WELDED ALUMINUM PLUG ONTO A SECTION OF DAMAGED AIR CLEANER PIPING THAT HAD COME INTO CONTACT WITH A T-BOLT CLAMP NEARLY WEARING A HOLE IN THE PIPE. WASHED AND REINSTALLED AIR CLEANER INTAKE PIPING AND INSTALLED INTO CHASSIS. ADDED SILICONE COOLANT HOSE TO VARIOUS HIGH STRESS AREAS OF WIRING HARNESSSES, FUEL LINES, COOLANT LINES ETC. TO PROTECT AGAINST ABRASION. FILLED UNIT WITH NEW COOLANT, PRIMED LUBRICATING SYSTEM WITH 15W40 ENGINE OIL, FILLED POWER STEERING RESERVOIR AND BLED FUEL SYSTEM OF AIR. DID NOTE THAT THE FUEL WAS A VERY DARK COLOUR. CHECKED FOR FAULT CODES, NONE FOUND, TESTED OPERATION OF UNIT - OPERATION APPEARS NORMAL. CHECKED FOR COOLANT LEAKS, BOOST LEAKS, EXHAUST LEAKS. AND ANY INCORRECT PARAMETERS IN THE ECM - FOUND EXHAUST GAS PRESSURE SENSOR IS READING HIGH AT ATMOSPHERIC AND LOW AT HIGH IDLE - REPLACED EXHAUST GAS PRESSURE AND CONFIRMED READINGS ARE CORRECT. ADJUSTED CLUTCH AND CLUTCH PEDAL FREE PLAY. RAN UNIT OUTSIDE TO BRING UP TO NORMAL OPERATIONAL TEMPERATURE WHILE MONITORING - OPERATION IS NORMAL. GREASED DRIVELINE, CLUTCH, CHECKED TRANS FLUID LEVEL - TOPPED UP ONE LITER - UNIT OK TO DYNO.</i>					
		Activity Sub-Total:			0.00



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11 ENGINE PARTS / DYNO / SHUTTLE				0.00
	DYNO	1.00 EA	550.0000	550.00
	SHUTTLE SERVICE	2.00 EA	135.0000	270.00
	CAMSHAFT INJ	1.00 EA	1,230.0000	1,230.00
	CAMSHAFT-VLV	1.00 EA	1,100.0000	1,100.00
	ISX DOHC CYLINDER HEAD	1.00 EA	4,725.0000	4,725.00
	OVERHAUL KIT 871	1.00 EA	5,930.0000	5,930.00
			Activity Sub-Total:	13,805.00
Shop Supplies	Shop Supplies	One EA	0.0000	0.00

Technician 34-JASON BALSA Authorized

37-MANIPAL SINGH

Total Labour:	15,217.75
Total Parts:	20,842.96
Shop Supplies:	0.00
Environmental Charge:	150.00
Shop Supplies:	150.00
Subtotal:	36,360.71
GST:	1,818.04
Invoice Total: \$	38,178.75

GST# 841458938

Any warranties on the parts and accessories sold hereby are made by the manufacturer. You understand and agree that we make no warranties of any kind unless expressed in writing. You hereby authorize us to perform the repair work herein set forth and to purchase the necessary material and parts to perform such repair work. You agree that we are not responsible for loss or damage to your vehicle or articles left in your vehicle in case of fire, theft, or any other cause beyond our control or for any delays caused by unavailability of parts or delays in part shipments by the supplier or transporter. In addition, you agree that we are not responsible for damages to your vehicle from freezing due to lack of antifreeze. You acknowledge and agree that an express mechanic's lien on your vehicle is granted to secure payment of this invoice for the repair work detailed in this invoice. All parts and labor warranty void on units with emission deletes.

GST#: 84145 8938 RT001

Signature: \_\_\_\_\_



S & J TRUCKTECH LTD  
 15802 95TH STREET  
 GRANDE PRAIRIE, AB T8X 0B9  
 (780) 539 - 0909

BILL TO	CUSTOMER NO	SHIP TO	CUSTOMER NO.
DDF		DDF	
CASH CUSTOMER		ZERO POINTE CONTRACTING LTD. 2230 SPRUCE STREET	
CANADA		PRINCE GEORGE, BC. V2L 2R6 CANADA	

PG 1 OF 3  
 \*WORK ORDER\*

OPEN ORDER

BRANCH S&J TruckTech Ltd.		GST Number 844421818RT0001	REFERENCE NUMBER 901-011050
MONTH/DAY/YEAR WRITER 12/09/21	DDF	ORDER NO. CUSTOMER PO. 12/09/21 11050	TERMS
		SHIP VIA SHOP	DDF

V VIN: 1XPWD49X4AD113190	Unit Number:	V Make: PETERBILT
V Model: 388	V Year: 2009	Engine Hours: 25352
Mileage: 1,078,022	License Number:	

QUANTITY ORDERED	QUANTITY SHIPPED	BACK ORDERED	PART NUMBER AND DESCRIPTION	CODE	PRICE	NET AMOUNT
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REQUEST 1: SWAP OVER CUMMINS ENGINE FROM ORIGINAL, TO USED ONE.

ACTION 1: DRAINED ENGINE COOLANT. DRAINED ENGINE OIL. REMOVED RADIATOR AND ANY NEEDED PIECES FROM UNIT. REMOVED OLD ENGINE AS PER CUSTOMER. TOOK A LOOK AT CLUTCH ASSY, AND INSPECTED TRANSMISSION INPUT SHAFT. LOOKS GOOD. CLEANED UP EXISTING BELL HOUSING ASSY, AND PREPPED FOR THE INSTALL OF THE USED ENGINE. CROSS SHAFTS, AND CLUTCH BRAKE LOOKED GOOD. CLUTCH LOOKS LIKE NEW. RESURFACED FLYWHEEL AND INSTALLED PILOT BEARING. INSTALLED USED ENGINE INTO UNIT. WAS ABLE TO REUSE OLD MOTOR MOUNTS. LOOKED FAIRLY NEW. SWAPPED OVER ANY NEEDED COMPONENTS. REINSTALLED RADIATOR ASSY. CHECKED BOTH AIR FILTERS, LOOK GOOD. PUT NEW COOLANT IN ENGINE, AND NEW COOLANT FILTER. INSTALLED NEW OIL AND FUEL FILTER, INSTALLED OIL. HOOKED UP BATTERY CABLES TO BATTERIES, HAD ELECTRICAL ISSUE. FUEL PRIMER PUMP, AND WINDSHIELD WASHER PUMP, INSTANTLY CAME ON. HAD TO TAKE TIME TO FIGURE OUT. ONCE THAT WIRING ISSUE WAS FIXED, PROCEEDED TO START ENGINE. BACKED UNIT OUTSIDE BAYS, RAN AND CHECKED FOR ANY LEAKS. ALL GOOD. TOOK FOR A TEST DRIVE, TRUCK RUNS GOOD. PERFORMED CLUTCH ADJUSTMENT.

1	1	CUM 3682673	GASKET	TG	12.230	12.23
6	6	PAI 131671	GASKET	TG	11.920	71.52
1	1	PAI 131451	GASKET	TG	6.950	6.95
1	1	PAI 131675	GASKET	TG	11.671	11.67
1	1	RPS ORB4	FITTING	TG	1.130	1.13
1	1	PAI 131673	GASKET	TG	19.640	19.64
1	1	PAI 131670	GASKET	TG	2.643	2.64
1	1	PAI 132033	GASKET	TG	7.750	7.75
1	1	PAI 132027	GASKET	TG	10.190	10.19
1	1	KW 900013	CLAMP	TG	27.130	27.13

GOODS RECEIVED BY: PLEASE PRINT NAME	SIGNATURE X	SUBTOTAL TAX
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TERMS: POSITIVELY NO GOODS ACCEPTED FOR CREDIT WITHOUT OUR PRIOR AUTHORIZATION AND INVOICE NUMBER. GOODS RETURNED SUBJECT TO RESTOCKING CHARGES WHEN SUPPLIED AS ORDERED.

TIME PREPARED

TOTAL

Continued



S & J TRUCKTECH LTD  
 15802 95TH STREET  
 GRANDE PRAIRIE, AB T8X 0B9  
 (780) 539 - 0909

BILL TO 999999 DDF CASH CUSTOMER CANADA		SHIP TO 999999 DDF ZERO POINTE CONTRACTING LTD, 2230 SPRUCE STREET PRINCE GEORGE, BC. V2L 2R6 CANADA	
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PG 2 OF 3  
\*WORK ORDER\*

OPEN ORDER

S&J TruckTech Ltd.	GST Number 844421818RT0001	REFERENCE NUMBER 901-011050
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MTH. DAY YR. 12/09/21	WRITER DDF	ORDER NO. 12/09/21 11050	CUSTOMER P.O. NUMBER	TERMS	SHIP VIA SHOP	DDF
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QUANTITY ORDERED	QUANTITY SHIPPED	BACK ORDERED	PART NUMBER AND DESCRIPTION		CODE	PRICE (LIST & SELL)	NET AMOUNT
2	2		RPS 58X4C	BOLT	TG	1.271	2.54
4	4		RPS 8NCL58	5/8 STOVER NUT	TG	2.250	9.00
6	6		RPS 8HW58	5/8 WASHER	TG	1.100	6.60
1	1		FG LF14000NN	OIL FILTER	TG	79.530	79.53
1	1		ENV EHC2	>8 INCH	TG	1.000	1.00
1	1		FG WF2127	COOLANT FILTER	TG	62.090	62.09
1	1		ENV EHC2	>8 INCH	TG	1.000	1.00
1	1		HAS FF1154	FUEL FILTER	TG	27.290	27.29
1	1		ENV EHC2	>8 INCH	TG	1.000	1.00
46	46		CHV 222290448BULK	DELO 400 15W40	TG	7.950	365.70
46	46		ENV EHC1	OIL ENV	TG	.050	2.30
2	2		RPS 58X3C	BOLT	TG	1.170	2.34
1	1		USD USEDPARTS	MISC USED PARTS	TG	175.450	175.45
			FAN RING SUPPORT BRACKET				
1	1		RPS ET10	5/8 HOSE CLAMP	TG	1.590	1.59
1	1		RPS HS6	HOSE CLAMP	TG	1.600	1.60
2	2		RPS HS16	HOSE CLAMP	TG	1.890	3.78
3	3		CHV 221854-483	ATF 1L	TG	11.300	33.90
3	3		ENV EHC2	>8 INCH	TG	1.000	3.00
1	1		USD USEDPARTS	MISC USED PARTS	TG	18500.000	18500.00
			USED ISX CUMMINS CM870				
1	1		MAS 63062RSHT	BEARING	TG	55.950	55.95
1	1		SNJ FLYWHEEL	MACHINE / GRIND	TG	150.000	150.00
2	2		CHV 227811-492	50/50 EXT COOLANT	TG	19.950	39.90

PARTS: 19696.41      LABOR: 6525.00      SUBLETS: 0.00      SUPPLIES: 587.25

REQUEST 2: DIAGNOSE AND REPAIR ELECTRICAL ISSUE

ACTION 2: AFTER HOOKING UP ALL THE WIRING, I HAD THE PRIMER PUMP AND THE WASHER FLUID PUMP GOING CONSTANTLY. WENT THROUGH THE DIAGNOSTIC STEPS AND FOUND A MISS LABELLED WIRE. THE WIRE WAS A GROUND, BUT THAY USED RED WIRE NOT BLACK OR WHITE. AFTER MOVING THE WIRE TO THE PROPER SPOT, EVERYTHING WORKED AS IT SHOULD.

PARTS: 0.00      LABOR: 337.50      SUBLETS: 0.00      SUPPLIES: 30.38

X	GOODS RECEIVED BY		SUB-TOTAL TAX
		TIME PREPARED	TOTAL

Continued

TERMS: POSITIVELY NO GOODS ACCEPTED FOR CREDIT WITHOUT OUR PRIOR AUTHORIZATION AND INVOICE NUMBER.  
 15% HANDLING CHARGE ON GOODS RETURNED WHEN SUPPLIED AS ORDERED. ERRORS AND OMISSIONS EXCEPTED.



S & J TRUCKTECH LTD  
 15802 95TH STREET  
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BILL TO 999999 DDF CASH CUSTOMER CANADA		SHIP TO 999999 DDF ZERO POINTE CONTRACTING LTD. 2230 SPRUCE STREET PRINCE GEORGE, BC. V2L 2R6 CANADA	
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PG 3 OF 3  
 \*WORK ORDER\*

OPEN ORDER

S&J TruckTech Ltd.			GST Number 844421818RT0001	REFERENCE NUMBER 901-011050
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MTH. DAY YR. 12/09/21	WRITER DDF	ORDER NO. 12/09/21 11050	CUSTOMER P.O. NUMBER	TERMS	SHIP VIA SHOP	DDF
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QUANTITY ORDERED	QUANTITY SHIPPED	BACK ORDERED	PART NUMBER AND DESCRIPTION	CODE	PRICE (LIST & SELL)	NET AMOUNT
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TOTAL PARTS: 19696.41      LABOR: 6862.50      SUBLETS: 0.00      SUPPLIES: 617.63  
 GOODS & SERVICES TAX (CODE G) \$1,358.83

X	GOODS RECEIVED BY		SUB-TOTAL	27176.54
			TAX	1358.83
		TIME PREPARED 17:05	TOTAL	28535.37

TERMS: POSITIVELY NO GOODS ACCEPTED FOR CREDIT WITHOUT OUR PRIOR AUTHORIZATION AND INVOICE NUMBER.  
 15% HANDLING CHARGE ON GOODS RETURNED WHEN SUPPLIED AS ORDERED. ERRORS AND OMISSIONS EXCEPTED.